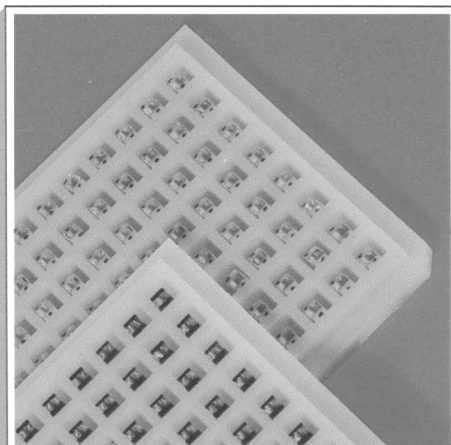


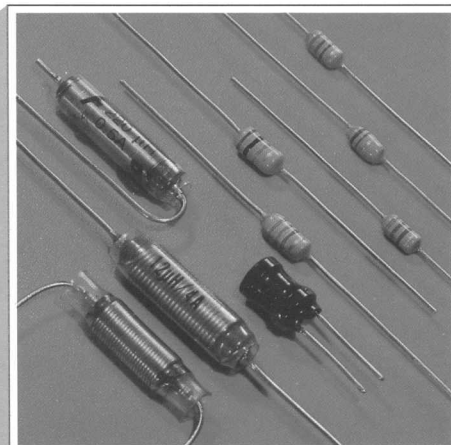
STETCO INC.



INC.

INC.

INC.



INC.

INC.

INC.

STETCO INC.

**STETCO** INC.

**INDUCTORS**

THE *Fastron* ELECTRONICS GROUP



Stetco, Inc. is a growing, progressive business organization with international affiliations specializing in the manufacture and sale of top quality electronic products. Established in 1971, Stetco, Inc. is centrally located in the Chicago suburb of Franklin Park, Illinois.

In 1992, Stetco, Inc. became a member of the worldwide Fastron Group, a major manufacturer of inductive products headquartered in Ottobrunn, Germany. In addition to Stetco's Franklin Park production facility which manufactures surface mount inductors and other electronic products, The Fastron Group also has factories in Penang, Malaysia, Westerham, Germany and Tolna, Hungary.

Stetco, Inc., due to its own manufacturing capabilities and through its new affiliation with The Fastron Group, is able to offer one of the most complete programs of inductors and associated products available on today's electronics market. Many of these products are leadless devices engineered specifically for use with today's modern surface mount technology. Great care is taken during both the design and the manufacturing processes to insure that only the finest quality electronic components are produced.

Although Stetco, Inc. offers a wide range of standard catalog products, many customers have unique design requirements which sometimes demand more specialized and customized types of inductors. Through the years Stetco's technical staff has worked very closely with these customers in the design and development of application specific products. The end results of these cooperative efforts have been high quality, customized inductors which successfully fit each customer's unique design application.

Stetco, Inc.'s product line is sold throughout the United States through Stetco's extensive network of manufacturer's representatives and franchised stocking distributors. Their sales efforts are strongly supported by Stetco's experienced sales staff and in house engineering support staff. Together, the Stetco sales organization is efficient, knowledgeable and capable of discussing most design applications utilizing our products to whatever technical depth any particular customer may require.

For additional information on Stetco's product line, please contact Stetco, Inc. or the Stetco representative nearest you. We look forward to your inquiry and to working with you on your inductor requirements in the future.

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**CORPORATE HEADQUARTERS**

3344 Schierhorn Court ■ Franklin Park, Illinois 60131

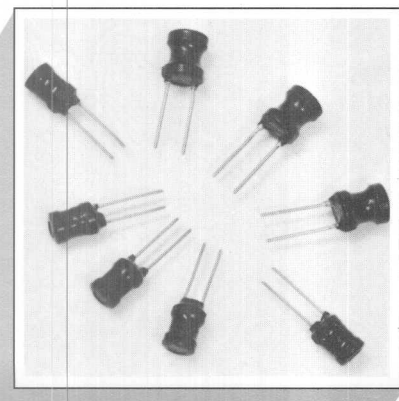
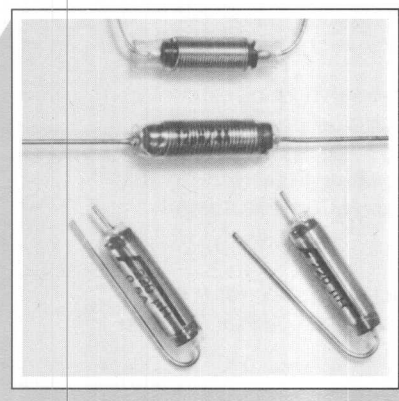
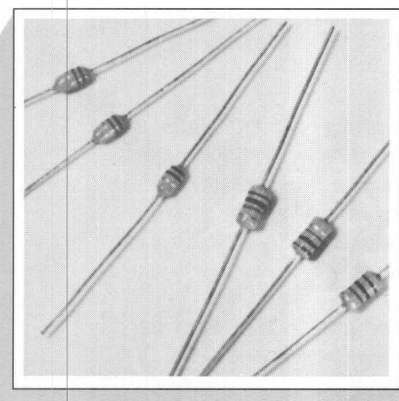
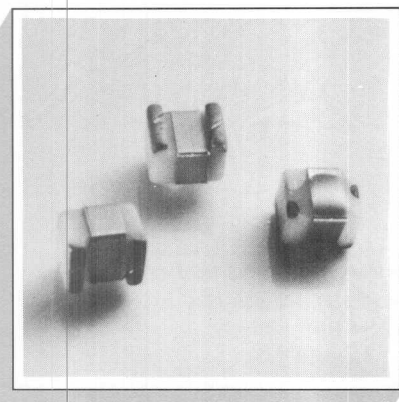
TEL. (708) 671-4208 ■ FAX (708) 671-5270

**800-251-4558**

# CONTENTS

CHOKE • SUPPRESSION • PLUGABLE COILS

**STETCO** INC.  
THE *Fasttron* ELECTRONICS GROUP



## CHOKE COILS

5-17

Series	Inductance Range ( $\mu$ H)	Rated Current (mA)	Self Resonant Frequency (MHz)	Page
<b>0805</b>	.0022 - .680	—	up to 6000	<b>5</b>
<b>1008</b>	.004 - 10	170 - 1850	250 - 1000	<b>6</b>
<b>MMICC</b>	1.0 - 100	78 - 500	9.0 - 150	<b>8</b>
<b>10A</b>	0.1 - 1000	28 - 1350	1.8 - 365	<b>9</b>
<b>MICC</b>	0.1 - 1000	55 - 1100	1.4 - 600	<b>10</b>
<b>MICCS</b>	18 - 220	110 - 205	8.0 - 40	<b>11</b>
<b>MECC</b>	1.0 - 150	90 - 1800	20 - 180	
<b>SMCC</b>	0.1 - 10000	25 - 1550	0.35 - 380	<b>12</b>
<b>LACC</b>	1.0 - 56	360 - 2000	29 - 175	<b>13</b>
<b>HCCC</b>	0.7 - 10	1.3K - 7.00K		
<b>MSMCC</b>	1.0 - 4700	63 - 1900	1.1 - 140	<b>14</b>
<b>HACC</b>	1.0 - 27	850 - 2000	11 - 195	<b>15</b>
<b>HBCC</b>	1.0 - 4700	90 - 2200	0.5 - 200	<b>16</b>
<b>06H</b>	WIDE BAND CHOKES			<b>17</b>

## SUPPRESSION COILS

18-20

Series	Inductance Range ( $\mu$ H)	Rated Current (A)		Page
<b>MISC</b>	1 - 100	0.15 - 4.00		<b>18</b>
<b>SMSC</b>	1 - 160	0.15 - 6.00		
<b>MESC</b>	3 - 1500	0.08 - 6.00		
<b>LASC</b>	5 - 470	0.15 - 6.00		<b>19</b>
<b>SSSC</b>	4 - 17	2.0 - 6.0		
<b>MSSC</b>	3 - 20	3.0 - 9.0		
<b>LSSC</b>	5 - 25	3.0 - 10.0		<b>20</b>
<b>77 A</b>	3.9 - 10000	0.3 - 12.0		
<b>50 A</b>	120 - 8300	0.1 - 2.0		

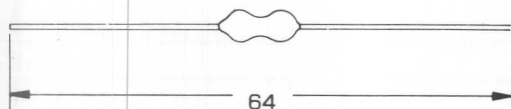
## PLUGABLE COILS

21-23

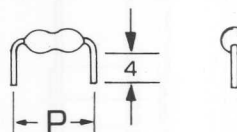
Series	Inductance Range ( $\mu$ H)	Rated Current (mA)	Self Resonant Frequency (MHz)	Page
<b>07P</b>	680 - 8200	50 - 170	0.65 - 2.30	<b>21</b>
<b>11P</b>	10000 - 150000	35 - 110	0.08 - 0.35	
<b>09P</b>	330 - 33000	50 - 500	0.26 - 2.70	<b>22</b>
<b>07M SHIELDED</b>	1.0 - 82	10 - 90		<b>23</b>

## CHOKE COILS

### AXIAL LOOSE



### AXIAL PREFORMED



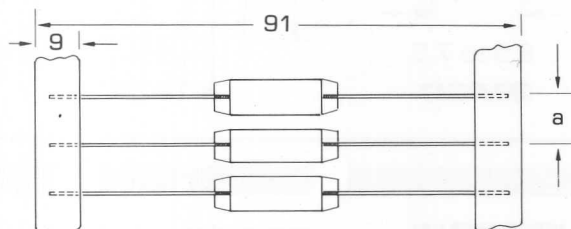
<b>Rated Current</b>	Based on temperature rise basis and is determined as the point where temperature rise does not exceed 40°C above the ambient temperature of 25°C.
<b>DC Resistance</b>	Typical values measured at 25°C
<b>Self-resonant frequency</b>	Min $f_0$ not less than 80% of published data with 10 mm lead-length.
<b>Solderability</b>	According to MIL-STD-202F Method 208D
<b>Tensile strength of leads</b>	Min. 20N pull test for 10 seconds. Leads shall not be loose nor ruptured.
<b>Insulation strength of dielectric</b>	Epoxy : 2.0 KV Heat Shrinkable Tube : 2.5 KV AC voltage is applied between insulation and either terminals for 60 seconds.
<b>Operating Temperature</b>	-25°C to +85°C, $\Delta L/L$ (25°C) $\leq \pm 10\%$
<b>Moisture Resistance</b>	$\Delta L/L \leq \pm 5\%$ $\Delta Q/Q \leq \pm 10\%$ when subject to 96 hours of 40° $\pm$ 2°C and relative humidity between 90 and 95% and dried in circulating air for one hour.
<b>Reliability Test</b>	According to MIL-STD-790

<b>DIMENSIONS</b>	
Model:	P min (mm)
<b>MMICC</b>	5.0
<b>SERIES 10 A</b>	10.0
<b>MICC, MICCS</b>	10.0
<b>SMCC</b>	12.5
<b>MECC</b>	15.0
<b>LACC</b>	17.5

Other pitch available on request.

## RFI SUPPRESSION COIL

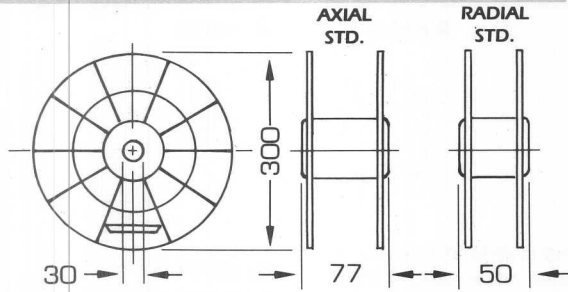
### STANDARD AXIAL TAPING



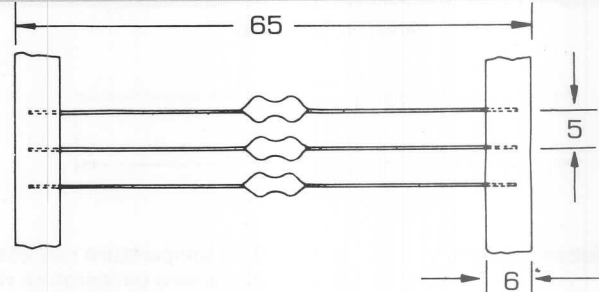
<b>Rated Inductance</b>	Measured at 1 MHz for $L_z 10\mu H$
<b>Rated Current</b>	Based on temperature rise basis and is determined as the point where temperature rise does not exceed 40°C above the ambient temperature of 25°C.
<b>DC Resistance</b>	Typical values measured at 25°C
<b>Dielectric Insulation strength</b>	2.5 KV
<b>Operating Temperature</b>	-55°C to +125°C
<b>Reliability Test</b>	According to MIL-STD-790

<b>TYPE</b>	<b>a</b>
<b>MISC</b>	5
<b>SMSC</b>	5
<b>MESC</b>	10
<b>LASC</b>	10

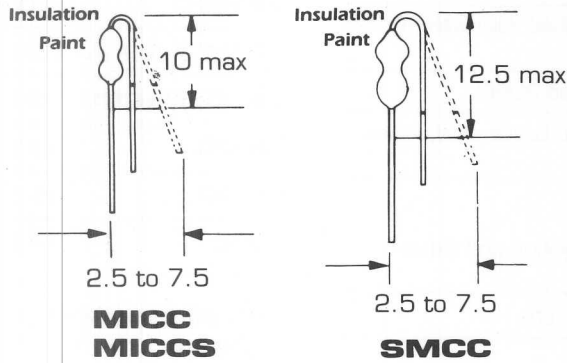
**PACKING STANDARD ON REEL**



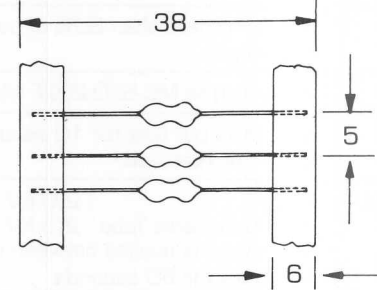
**AXIAL STANDARD TAPING (65 mm)**



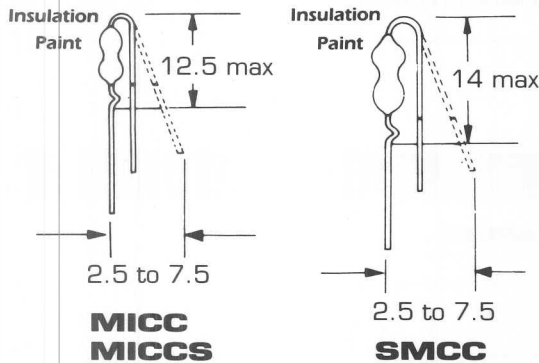
**RADIAL (W/O KINK) - LOOSE FORM**



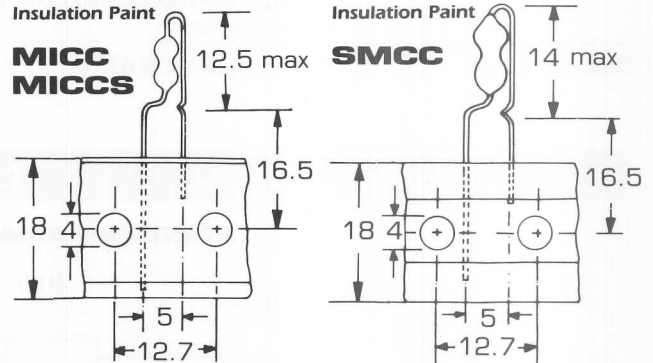
**AXIAL NARROW TAPING (38mm)**



**RADIAL (WITH KINK) - LOOSE FORM**



**RADIAL TAPING FOR PANASERT**



**COLOR CODE**

COLOR	NOMINAL INDUCTANCE ( $\mu$ H)		TOLERANCE (%)	
	FIRST FIGURE	SECOND FIGURE	MULTIPLIER C	D
GOLD	A	—	0.1	$\pm 5$
SILVER	—	—	0.01	$\pm 10$
CLEAR	—	—	—	$\pm 20$
BLACK	0	1	—	—
BROWN	0	1	10	—
RED	0	2	100	—
ORANGE	0	3	1000	—
YELLOW	0	4	—	—
GREEN	0	5	—	—
BLUE	0	6	—	—
VIOLET	0	7	—	—
GREY	0	8	—	—
WHITE	0	9	—	$\pm 25$



**ORDERING CODE**

**MICC-4R7K-12**

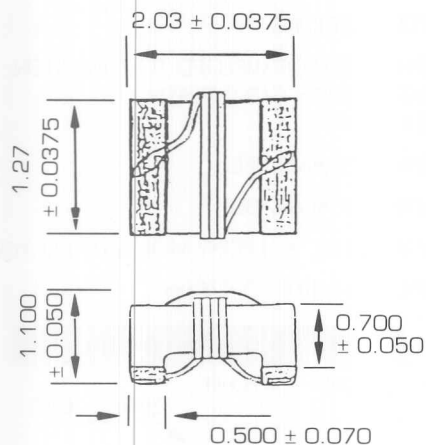
DELIVERY FORM \*  
NOMINAL IND. TOLERANCE  
NOMINAL INDUCTANCE  
TYPE

NOMINAL INDUCTANCE TOLERANCE: H =  $\pm 2.5\%$ , J =  $\pm 5\%$ , K =  $< 10\%$ , M =  $\pm 20\%$

**EXAMPLE: MICC-4R7K-12**  
MINIATURE CHOKE COIL 4.7  $\mu$ H  $\pm 10\%$ —AXIAL 38mm TAPED IN BOX

* FIRST FIGURE	SECOND FIGURE
0 AXIAL 65mm	0 LOOSE IN PLASTIC BAG
1 AXIAL 38mm	1 TAPED ON REEL
2 AXIAL PREFORMED	2 TAPED IN BOX
3 RADIAL FOR PANASERT	
4 RADIAL	

**0805G SURFACE MOUNT**



- WRAP AROUND TERMINATIONS
- EPOXY COATED
- WIRE TERMINATIONS ARE SPOT WELDED TO TUNGSTEN NICKEL METALLIZATION WITH GOLD FLASH  
SOLDER COAT OPTIONAL
- AVAILABLE ON 8MM TAPE AND REEL
- 5% AND 2% TOLERANCE AVAILABLE
- SPECIAL VALUES AVAILABLE

**SPECIFICATIONS & STANDARD VALUES**

L nH	L-Tol.	PART NUMBER	Q	fm MHz	SRF MHz	DCR ohm	MATERIAL
2.2	20%	0805G2R2M**	15	250	>6000	.050	ALUMINA
3.3	20%	0805G3R3M**	15	250	>6000	.080	
6.8	20%	0805G6R8M**	15	250	5500	.100	
8.2	20%	0805G8R2M**	15	250	5000	.100	
12	20%	0805G120M**	30	250	4500	.100	
15	20%	0805G150M**	30	250	4100	.100	
18	20%	0805G180M**	30	250	3500	.130	
22	20%	0805G220M**	40	250	3200	.130	
27	20%	0805G270M**	40	250	2700	.130	
33	10%	0805G330K**	40	250	2200	.160	
39	10%	0805G390K**	40	250	2100	.200	
47	10%	0805G470K**	40	200	2000	.220	
56	10%	0805G560K**	40	200	1900	.250	
68	10%	0805G680K**	40	200	1700	.280	
82	10%	0805G820K**	40	150	1600	.310	
100	10%	0805G101K**	40	150	1500	.350	
120	10%	0805G121K**	40	150	1300	.370	
150	10%	0805G151K**	40	100	1200	.400	
180	10%	0805G181K**	40	100	1100	.450	
220	10%	0805G221K**	40	100	1000	.800	
270	10%	0805G271K**	40	100	950	1.00	
330	10%	0805G331K**	40	100	890	1.20	
390	10%	0805G391K**	40	100	830	1.50	
470	10%	0805G471K**	40	100	750	2.50	
560	10%	0805G561K**	40	100	700	3.50	
680	10%	0805G681K**	30	50	650	4.00	

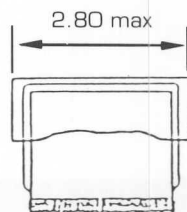
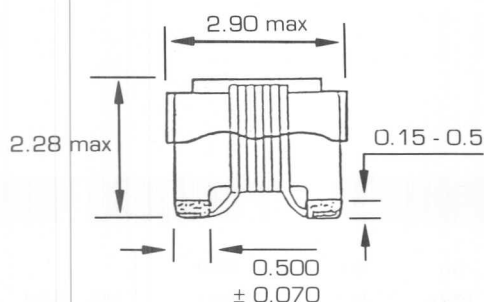
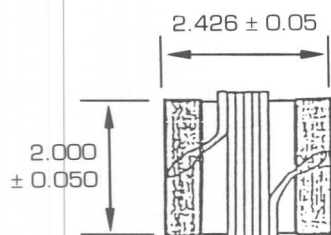


# CHOKE COILS

1008 SERIES



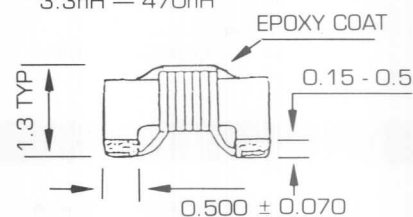
## 1008G SURFACE MOUNT



- WRAP AROUND TERMINATIONS
- WIRE TERMINATIONS ARE SPOT WELDED TO TUNGSTEN NICKEL METALLIZATION WITH GOLD FLASH  
OPTIONAL SOLDER COAT
- AVAILABLE ON 8MM TAPE AND REEL
- 5% AND 2% TOLERANCE AVAILABLE
- SPECIAL VALUES AVAILABLE
- EPOXY MOLDED FLAT TOP
- LOW PROFILE CORE AVAILABLE TO 470nH

## 1008L LOW PROFILE

3.3nH — 470nH



## SPECIFICATIONS & STANDARD VALUES

L nH	L-Tol.	PART NUMBER	Q min.	f <sub>m</sub> MHz	SRF MHz	DCR m ohm	I max mA	MATERIAL
10	20%	1008G100M - **	30	100	>6000	50	1850	ALUMINA
22	20%	1008G220M - **	40	100	2400	60	1450	
33	10%	1008G330K - **	50	100	1700	60	1450	
39		1008G390K - **	50	100	1500	75	1300	
47		1008G470K - **	50	100	1400	75	1300	
56		1008G560K - **	50	100	1200	90	1260	
68		1008G680K - **	50	100	1100	90	1260	
82		1008G820K - **	50	100	1000	150	820	
100		1008G101K - **	50	100	1000	150	820	
120		1008G121K - **	40	100	1000	150	820	
150		1008G151K - **	40	100	825	180	820	
180		1008G181K - **	40	50	770	200	770	
220		1008G221K - **	40	50	690	260	660	
270		1008G271K - **	40	50	650	300	610	
330		1008G331K - **	40	50	570	450	500	
390		1008G391K - **	35	50	520	700	360	
470		1008G471K - **	35	50	490	780	310	
560		1008G561K - **	35	35	440	1200	260	
680		1008G681K - **	35	35	390	2100	200	
820		1008G821K - **	35	35	360	2300	170	
1000		1008G102K - **	35	35	330	2700	170	
1200		1008G122K - **	35	35	310	3000	170	
1500		1008G152K - **	30	35	250	5200	170	

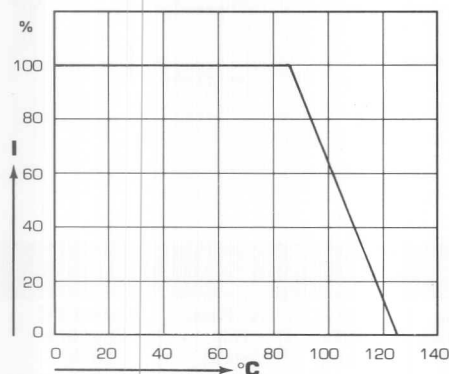
## INDUCTANCE RANGE

ALUMINA	1008G	4nH — 1500nH (up to 5600nH on request)
FERRITE	1008F	1200nH — 10,000nH

#### CURRENT CARRYING CAPABILITY I

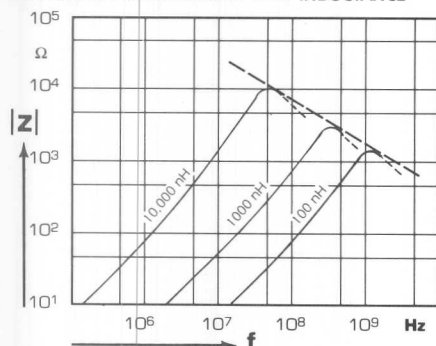
DEPENDENT ON THE AMBIENT TEMPERATURE.

These measurements were conducted with coils soldered on  $Al_2O_3$  substrates, 96%, size 10 x 10 x 0,6 mm.

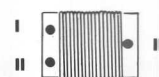


#### IMPEDANCE

DEPENDENT ON FREQUENCY AND INDUCTANCE



COLOR CODE (Ceramic Only)	Rated inductance in nH		
	VALUE I	VALUE II	MULTIPLIER III
Black	0	0	$10^0$
Brown	1	1	$10^1$
Red	2	2	$10^2$
Orange	3	3	$10^3$
Yellow	4	4	
Green	5	5	
Blue	6	6	
Violet	7	7	
Grey	8	8	
White	9	9	



EXAMPLE: Orange - Orange - Black INDUCTANCE 33nH

OPERATING TEMPERATURE RANGE -55°C TO 125°C

**1 0 0 8 G 1 5 2 K T E**

**PACKAGE STYLE**  
1st two digits are significant.  
3rd digit denotes number of zeros to follow: 152-1500nH  
(G = Gold Flash)  
(T = Solder Coat)

**INDUCTANCE**  
(Nanohenrys)

**TOLERANCE**  
(G = 2%, J = 5%, K = 10%, M = 20%)

**\*PACKAGING**  
(B = Bulk)  
(T = 8mm tape and reel, 1600 pcs per reel)  
(W = Waffle Pack (80 per))

**\*COATING**  
(E = Epoxy coating)  
(P = No epoxy)

EXAMPLE: 1008 size 1500nH 10% tape and reel with epoxy.

#### TECHNICAL DATA

**CORE MATERIAL:** Rubalit 708 (Alumina) 96%  $Al_2O_3$ .

**MATERIAL PREPARATION:** The ceramic is pressed and fired at 1600 degrees Celsius in air.

**METALLIZATION PROCEDURE:** The base metallization is tungsten, applied through a screen printing process. The tungsten is fired at 1500 degrees Celsius in an inert atmosphere. Next, electrolytic nickel layer is a minimum 2um thick (5um typical). This nickel is then sintered at 850 degrees Celsius.

**OPTIONAL LAYER:** Over the nickel an electrolytic gold flash .1um is applied.

**COPPER WIRE DESCRIPTION:** The wire is high temperature enamelled copper wire. The wire bears the trade name Estersol at U.L. and is equivalent to the ANSI-TYPE NW 77L(NEMA). Typical tin bath temperature is approximately 470 degrees Celsius.

#### INDEPENDENT CUSTOMER EVALUATION:

(HYBRID OSCILLATOR WITH STETCO 1008A & 1008L INDUCTORS).

**SHEAR TEST:** 2.3 lbs with a standard deviation of 0.75 lbs using conductive silver filled epoxy.

**BURNIN:** 2000 hours at 125 degrees Celsius in a Tenney Jr. oven.

**THERMAL SHOCK:** 250 cycles at 0 degrees Celsius - 125 degrees Celsius in Associated Environmental Systems thermal chamber model #MICROPRO 80455.

**ELECTRICAL REPEATABILITY:** No change recorded at room temperature, 32 readings on H.P. 4195A Network/Spectrum analyzer, H.P. 41951-61001 impedance test adapter, C.C. SMD-A chip fixture, per customer frequency specification.

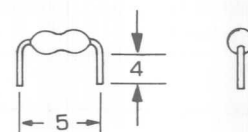
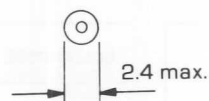
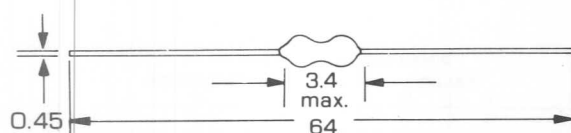
**RESISTANCE TO SOLVENT:** Inductor shall withstand 3 minute boil of 1,1,1, Trichloroethane and a second 3 minute wash of 1,1,1, Trichloroethane.

**SOLDERABILITY:** Solder paste alloy (62Sn/36Pb/2Ag) with either mildly activated or fully activated rosin flux.



**AXIAL LEADED LOOSE**

**AXIAL PREFORMED**



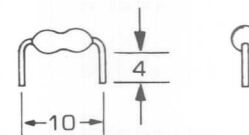
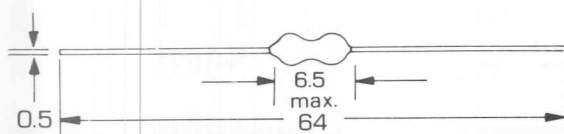
**SPECIFICATIONS & STANDARD VALUES**

Ordering Code	Inductance ( $\mu$ H) Test at 20KHz	Inductance Tolerance (%)	Q min.	Testing Frequency (MHz)	S.R.F. MHz (min)	DC-Res. ( $\Omega$ ) (max)	Rated DC Current (mA)
MMICC-1R0	1.0	$\pm 20$	40	7.96	150	0.5	500
MMICC-1R2	1.2				110	0.50	500
MMICC-1R5	1.5				80	0.4	450
MMICC-1R8	1.8				60	0.4	430
MMICC-2R2	2.2				45	0.4	430
MMICC-2R7	2.7				40	0.70	335
MMICC-3R3	3.3				38	0.80	325
MMICC-3R9	3.9				35	1.1	320
MMICC-4R7	4.7				32	1.2	250
MMICC-5R6	5.6				30	1.3	250
MMICC-6R8	6.8	$\pm 10$	40	2.52	28	1.3	220
MMICC-8R2	8.2				26	1.6	180
MMICC-100	10				24	2.2	180
MMICC-120	12				22	2.3	165
MMICC-150	15				20	2.6	155
MMICC-180	18				18	3.00	150
MMICC-220	22				17	3.40	148
MMICC-270	27				16	4.30	145
MMICC-330	33				14	4.70	140
MMICC-390	39				13	5.20	135
MMICC-470	47	$\pm 10$	40	2.52	12	5.80	120
MMICC-560	56				11	6.40	110
MMICC-680	68				10	7.20	100
MMICC-820	82				9.5	11.0	95
MMICC-101	100				9.0	12.0	78

FERRITE

#### AXIAL LEADED LOOSE

#### AXIAL PREFORMED



#### SPECIFICATIONS & STANDARD VALUES

Ordering Code	Inductance ( $\mu$ H) Test at 20KHz	Inductance Tolerance (%)	Q min.	Testing Frequency (MHz)	S.R.F. MHz (min)	DC-Res. ( $\Omega$ ) (max)	Rated DC Current (mA)	
10A-R10	0.10	$\pm 20$	30	25.2	365	0.08	1350	↑ PHENOLIC ↓
10A-R12	0.12		30		345	0.09	1270	
10A-R15	0.15		35		328	0.10	1200	
10A-R18	0.18		35		310	0.12	1105	
10A-R22	0.22		35		295	0.14	1025	
10A-R27	0.27		35		280	0.16	960	
10A-R33	0.33		35		265	0.22	815	
10A-R39	0.39		35		250	0.30	700	
10A-R47	0.47		35		238	0.35	650	
10A-R56	0.56		35		225	0.50	545	
10A-R68	0.68	$\pm 10$	35	7.96	212	0.60	495	↑ FERRITE ↓
10A-R82	0.82		35		200	0.85	415	
10A-1R0	1.0		35		189	0.38	385	
10A-1R2	1.2		35		180	0.32	590	
10A-1R5	1.5		35		168	0.40	535	
10A-1R8	1.8		35		154	0.42	455	
10A-2R2	2.2		35		139	0.62	395	
10A-2R7	2.7		35		128	0.44	355	
10A-3R3	3.3		45		112	0.62	270	
10A-3R9	3.9		45		103	0.70	250	
10A-4R7	4.7		45	2.52	95	1.00	230	
10A-5R6	5.6		45		93	1.10	185	
10A-6R8	6.8		45		86	1.20	175	
10A-8R2	8.2		55		72	1.90	155	
10A-100	10		55		71	2.20	130	
10A-120	12		55		65	2.50	155	
10A-150	15		55		59	4.00	150	
10A-180	18		55		55	4.60	145	
10A-220	22		55		49	6.00	140	
10A-270	27		55		45	6.80	135	
10A-330	33		55	0.79	10.0	1.70	130	
10A-390	39		50		9.0	1.85	125	
10A-470	47		50		9.0	2.10	110	
10A-560	56		45		8.0	2.30	100	
10A-680	68		50		8.0	3.20	92	
10A-820	82		50		7.0	4.40	88	
10A-101	100		50		5.5	5.00	84	
10A-121	120		60		6.1	4.50	66	
10A-151	150		60		4.6	5.60	61	
10A-181	180		60		4.3	7.50	57	
10A-221	220		60		4.5	10.00	52	
10A-271	270		60		4.1	11.00	47	
10A-331	330		60		3.3	16.00	45	
10A-391	390		60		3.1	18.00	40	
10A-471	470		60		2.9	20.00	36	
10A-561	560		60		2.7	22.00	35	
10A-681	680		60		2.5	33.00	30	
10A-821	820		60		1.9	37.00	29	
10A-102	1000		35		1.8	43.00	28	

# CHOKES COILS

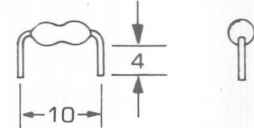
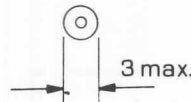
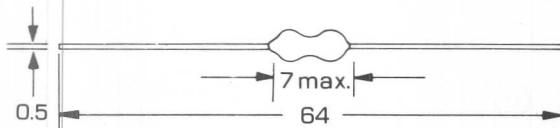
MICC SERIES

**STETCO INC.**

THE *Fasttron* ELECTRONICS GROUP

## AXIAL LEADED LOOSE

## AXIAL PREFORMED



## SPECIFICATIONS & STANDARD VALUES

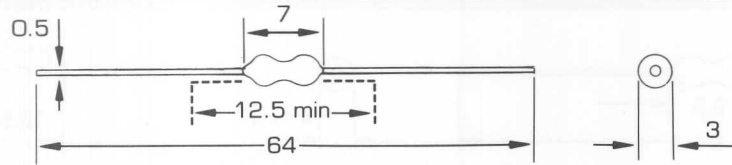
Approval



Ordering Code	Inductance ( $\mu$ H) Test at 20 KHz	Inductance Tolerance %	Q min.	Testing Frequency (MHz)	SRF (MHz) min.	Dc-Res ( $\Omega$ ) max.	Rated DC Current (mA)
MICC-R10	0.10	$\pm 20$	35	25.2	600	0.11	1100
MICC-R12	0.12		35		570	0.12	1000
MICC-R15	0.15		35		500	0.13	1020
MICC-R18	0.18		35		460	0.14	1000
MICC-R22	0.22		35		420	0.16	990
MICC-R27	0.27		35		380	0.17	910
MICC-R33	0.33		35		330	0.20	830
MICC-R39	0.39		35		300	0.22	790
MICC-R47	0.47		35		280	0.25	750
MICC-R56	0.56		35		260	0.28	700
MICC-R68	0.68		35		240	0.48	530
MICC-R82	0.82		35		230	0.55	500
MICC-1R0	1.0	$\pm 10$	35	7.96	180	0.25	630
MICC-1R2	1.2		40		170	0.25	610
MICC-1R5	1.5		30		150	0.30	570
MICC-1R8	1.8		40		130	0.30	540
MICC-2R2	2.2		40		120	0.35	520
MICC-2R7	2.7		40		110	0.40	480
MICC-3R3	3.3		40		110	0.50	420
MICC-3R9	3.9		40		100	0.55	400
MICC-4R7	4.7		40		90	0.65	380
MICC-5R6	5.6		40		75	1.30	260
MICC-6R8	6.8		50		70	1.45	250
MICC-8R2	8.2		50		65	1.60	240
MICC-100	10		50	2.52	60	1.70	230
MICC-120	12		50		50	2.40	190
MICC-150	15		50		45	2.70	185
MICC-180	18		60		14	0.81	350
MICC-220	22		60		12	0.90	335
MICC-270	27		60		11	1.00	315
MICC-330	33		60		10	1.12	300
MICC-390	39		60		8.5	1.21	285
MICC-470	47		60		7.7	2.40	200
MICC-560	56		60		6.8	2.60	195
MICC-680	68		55		5.7	2.90	185
MICC-820	82		55		5.5	3.20	175
MICC-101	100		50	0.79	5.3	3.50	170
MICC-121	120		60		5.0	3.80	160
MICC-151	150		60		4.6	4.30	150
MICC-181	180		60		4.2	5.30	135
MICC-221	220		60		3.8	5.80	130
MICC-271	270		60		3.2	7.80	115
MICC-331	330		60		3.0	8.70	105
MICC-391	390		60		2.7	11.00	95
MICC-471	470		60		2.3	12.00	90
MICC-561	560		60		2.2	16.50	75
MICC-681	680		60		2.0	22.00	65
MICC-821	820		60		1.8	25.00	60
MICC-102	1000		30		1.5	33.00	55

PHENOLIC  
FERRITE

**MICCS**

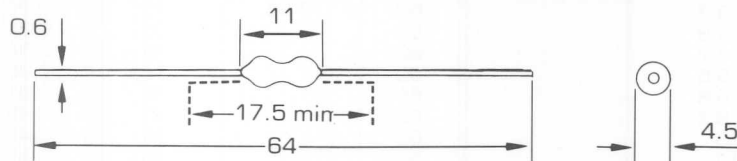


**SPECIFICATIONS & STANDARD VALUES**

Ordering Code	Inductance L (μH) at 20 KHz	Tol. %	Q		SRF (MHz) min.	Dc-Res (Ω) max.	Rated DC Current (mA)
			min.	Freq. (MHz)			
MICCS-180K - **	18.00	±10	60	2.52	40.0	2.90	205
MICCS-220K - **	22.00				30.0	3.00	200
MICCS-270K - **	27.00				26.0	3.10	195
MICCS-330K - **	33.00				24.0	3.30	190
MICCS-390K - **	39.00				22.0	3.50	185
MICCS-470K - **	47.00				20.0	4.00	165
MICCS-560K - **	56.00				18.0	5.20	150
MICCS-680K - **	68.00				15.0	5.80	140
MICCS-820K - **	82.00				14.0	6.40	135
MICCS-101K - **	100.00				13.0	7.00	130
MICCS-121K - **	120.00		0.79		11.0	10.60	125
MICCS-151K - **	150.00				9.0	13.50	120
MICCS-181K - **	180.00				8.5	15.00	115
MICCS-221K - **	220.00				8.0	16.20	110

FERRITE

**MECC**



**SPECIFICATIONS & STANDARD VALUES**

Ordering Code	Inductance L (μH) at 20 KHz	Tol. %	Q		SRF (MHz) min.	Dc-Res (Ω) max.	Rated DC Current (mA)
			min.	Freq. (MHz)			
MECC-1R0K - **	1.0	±10	60	7.96	180	0.13	1800
MECC-1R2K - **	1.2				165	0.14	1750
MECC-1R5K - **	1.5				148	0.16	1400
MECC-1R8K - **	1.8				140	0.18	1300
MECC-2R2K - **	2.2		50		122	0.20	1250
MECC-2R7K - **	2.7				112	0.24	1100
MECC-3R3K - **	3.3				104	0.28	950
MECC-3R9K - **	3.9				95	0.35	900
MECC-4R7K - **	4.7				90	0.39	625
MECC-5R6K - **	5.6		45		84	0.42	600
MECC-6R8K - **	6.8				76	0.48	575
MECC-8R2K - **	8.2				72	0.60	550
MECC-100K - **	10.0				63	0.96	525
MECC-120K - **	12.0		50	2.52	57	1.02	515
MECC-150K - **	15.0				54	1.20	500
MECC-180K - **	18.0				50	1.32	450
MECC-220K - **	22.0				45	1.90	425
MECC-270K - **	27.0		60		41	2.20	400
MECC-330K - **	33.0				37	3.00	360
MECC-390K - **	39.0				35	3.40	300
MECC-470K - **	47.0				33	4.50	270
MECC-560K - **	56.0		70		32	4.70	250
MECC-680K - **	68.0				28	6.00	220
MECC-820K - **	82.0				26	7.80	180
MECC-101K - **	100.0				23	14.00	140
MECC-121K - **	120.0		30	0.79	21	16.00	110
MECC-151K - **	150.0				20	18.00	90

FERRITE

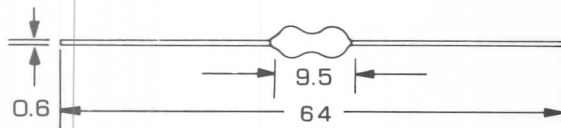
# CHOKE COILS

## SMCC SERIES



THE *Fasttron* ELECTRONICS GROUP

### AXIAL LEADED LOOSE



### AXIAL PREFORMED



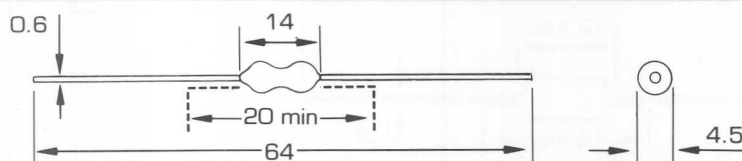
### SPECIFICATIONS & STANDARD VALUES

Approval



Ordering Code	Inductance ( $\mu$ H) Test at 20 KHz	Inductance Tolerance %	Q min.	Testing Frequency (MHz)	SRF (MHz) min.	Dc-Res ( $\Omega$ ) max.	Rated DC Current (mA)	
SMCC-R10	0.10	$\pm 20$	45	25.2	380	0.08	1600	↑ PHENOLIC ↓
SMCC-R12	0.12		45		360	0.10	1550	
SMCC-R15	0.15		45		340	0.10	1500	
SMCC-R18	0.18		45		320	0.10	1480	
SMCC-R22	0.22		45		300	0.10	1450	
SMCC-R27	0.27		45		270	0.11	1400	
SMCC-R33	0.33		45		250	0.12	1350	
SMCC-R39	0.39		45		230	0.13	1300	
SMCC-R47	0.47		45		220	0.14	1280	
SMCC-R56	0.56		45		210	0.15	1240	
SMCC-R68	0.68	$\pm 10$	45	7.96	200	0.16	1225	↑ FERRITE ↓
SMCC-R82	0.82		45		190	0.17	1210	
SMCC-1R0	1.0		45		205	0.16	1200	
SMCC-1R2	1.2		50		185	0.18	1150	
SMCC-1R5	1.5		50		165	0.20	1100	
SMCC-1R8	1.8		55		155	0.22	1030	
SMCC-2R2	2.2		55		140	0.25	1000	
SMCC-2R7	2.7		60		125	0.26	940	
SMCC-3R3	3.3		60		115	0.29	900	
SMCC-3R9	3.9		60		105	0.31	850	
SMCC-4R7	4.7	$\pm 10$	60	2.52	95	0.34	820	↑ FERRITE ↓
SMCC-5R6	5.6		60		85	0.38	780	
SMCC-6R8	6.8		65		75	0.51	670	
SMCC-8R2	8.2		65		50	0.48	690	
SMCC-100	10		65		35	0.49	680	
SMCC-120	12		50		30	0.55	650	
SMCC-150	15		50		20	0.60	610	
SMCC-180	18		50		17	0.67	580	
SMCC-220	22		50		13	0.74	560	
SMCC-270	27		55		10.0	0.83	530	
SMCC-330	33	$\pm 10$	55	0.79	9.00	0.92	500	↑ FERRITE ↓
SMCC-390	39		55		8.00	1.02	470	
SMCC-470	47		40		7.50	1.10	450	
SMCC-560	56		40		7.00	1.23	430	
SMCC-680	68		40		6.50	1.35	410	
SMCC-820	82		35		6.00	1.54	390	
SMCC-101	100		30		5.00	1.70	370	
SMCC-121	120		50		4.50	2.40	300	
SMCC-151	150		50		4.20	2.80	280	
SMCC-181	180		50		3.90	3.00	270	
SMCC-221	220	$\pm 10$	50	0.25	3.70	3.30	250	↑ FERRITE ↓
SMCC-271	270		65		2.80	5.70	200	
SMCC-331	331		65		2.70	6.40	190	
SMCC-391	390		65		2.40	7.00	180	
SMCC-471	470		55		2.20	7.90	170	
SMCC-561	560		55		2.00	8.80	160	
SMCC-681	680		55		1.90	10.0	150	
SMCC-821	820		55		1.60	12.0	140	
SMCC-102	1000		50		1.60	14.0	130	
SMCC-122	1200		50		1.30	16.9	115	
SMCC-152	1500	$\pm 10$	40	0.25	1.25	21.6	100	↑ FERRITE ↓
SMCC-182	1800		40		1.20	24.0	95	
SMCC-222	2200		40		1.10	34.7	80	
SMCC-272	2700		40		1.00	40.0	75	
SMCC-332	3300		40		0.90	59.5	62	
SMCC-392	3900		40		0.80	66.0	59	
SMCC-472	4700		40		0.70	74.0	55	
SMCC-562	5600		30		0.55	70.0	40	
SMCC-682	6800		30		0.50	85.0	35	
SMCC-822	8200		30		0.40	95.0	30	
SMCC-103	10000		20		0.35	105.0	25	

**LACC**

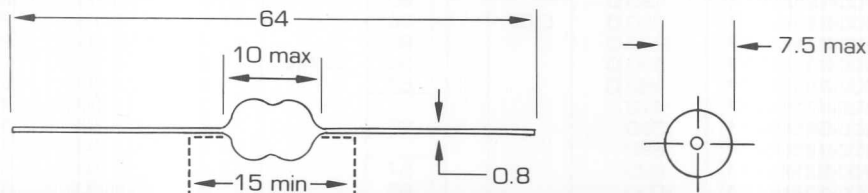


**SPECIFICATIONS & STANDARD VALUES**

Ordering Code	Inductance L ( $\mu$ H) at 20 KHz	Tol. %	Q		SRF (MHz) min.	Dc-Res ( $\Omega$ ) max.	Rated DC Current (mA)
			min.	Freq. (MHz)			
LACC-1R0K - **	1.0	$\pm 10$	60	25.2	175	0.09	2000
LACC-1R2K - **	1.2				157	0.10	1950
LACC-1R5K - **	1.5				144	0.11	1900
LACC-1R8K - **	1.8				135	0.12	1850
LACC-2R2K - **	2.2				121	0.15	1700
LACC-2R7K - **	2.7				113	0.15	1650
LACC-3R3K - **	3.3			7.96	103	0.23	1100
LACC-3R9K - **	3.9				96	0.30	1050
LACC-4R7K - **	4.7				89	0.33	1000
LACC-5R6K - **	5.6				85	0.37	900
LACC-6R8K - **	6.8	$\pm 10$	50		72	0.45	875
LACC-8R2K - **	8.2				66	0.63	840
LACC-100K - **	10.0				57	0.73	800
LACC-120K - **	12.0				51	1.35	650
LACC-150K - **	15.0				47	1.50	610
LACC-180K - **	18.0				44	1.65	565
LACC-220K - **	22.0		60	2.52	41	1.86	510
LACC-270K - **	27.0				38	2.10	490
LACC-330K - **	33.0				36	2.40	450
LACC-390K - **	39.0				33	2.70	430
LACC-470K - **	47.0		55		31	3.00	390
LACC-560K - **	56.0				29	3.40	360

Ferrite

**HCCC**



**SPECIFICATIONS & STANDARD VALUES**

Ordering Code	Inductance L ( $\mu$ H)	Tol. %	Rated Current (A)	Resistance (m $\Omega$ )	Test Freq. (MHz)
HCCC-R70M - **	0.7	$\pm 20$	7	15	1
HCCC-1R0M - **	1.0		4.0		
HCCC-1R8M - **	1.8		2.5	55	
HCCC-3R6M - **	3.6		1.8	110	
HCCC-8R2M - **	8.2		1.5	130	
HCCC-100M - **	10.0		1.3	240	

Ferrite

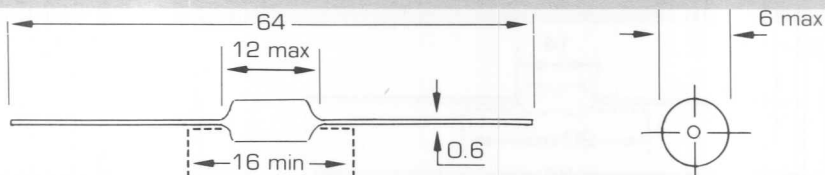


# CHOKE COILS

## MSMCC SERIES



### MSMCC Magnetic shielded

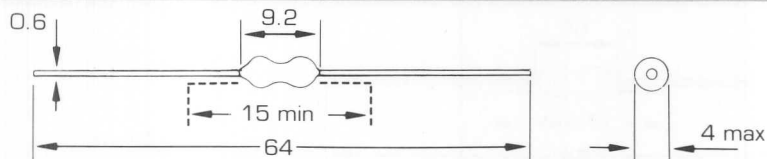


### SPECIFICATIONS & STANDARD VALUES

Ordering Code	Inductance L (μH)	fL (MHz)	Tol. %	Q min.	Testing Freq. (MHz)	SRF (MHz) min.	Dc-Res (Ω) max.	Rated DC Current (mA)
MSMCC-1R0M - **	1.0	1.0	±20	47	25.2	140.0	0.07	1900
MSMCC-1R2M - **	1.2			46	7.96	130.0	0.09	1600
MSMCC-1R5M - **	1.5			45		115.0	0.10	1300
MSMCC-1R8M - **	1.8			43		105.0	0.12	1200
MSMCC-2R2M - **	2.2			45		100.0	0.15	1100
MSMCC-2R7M - **	2.7			46		92.0	0.20	950
MSMCC-3R3M - **	3.3			44		85.0	0.23	800
MSMCC-3R9M - **	3.9					75.0	0.27	750
MSMCC-4R7M - **	4.7					70.0	0.32	650
MSMCC-5R6M - **	5.6			47		65.0	0.35	550
MSMCC-6R8M - **	6.8	55.0	0.40		500			
MSMCC-8R2M - **	8.2	50.0	0.50		475			
MSMCC-100M - **	10.0	0.02	±20	49	2.52	46.0	0.60	450
MSMCC-120M - **	12.0			55		44.0	0.90	400
MSMCC-150M - **	15.0			44		49.0	0.80	620
MSMCC-180M - **	18.0			45		45.0	0.89	610
MSMCC-220M - **	22.0			46		41.0	0.96	600
MSMCC-270M - **	27.0			49		38.0	1.19	500
MSMCC-330M - **	33.0			45		34.0	1.37	490
MSMCC-390M - **	39.0			53		29.0	1.93	410
MSMCC-470M - **	47.0			52		27.0	2.11	400
MSMCC-560M - **	56.0			49		25.0	2.23	380
MSMCC-680M - **	68.0	51	21.0	2.70	370			
MSMCC-820M - **	82.0	45	10.5	1.90	360			
MSMCC-101M - **	100.0	52	10.0	2.00	320			
MSMCC-121M - **	120.0	0.02	±20	57	0.796	9.70	2.10	290
MSMCC-151M - **	150.0			56		8.50	2.30	275
MSMCC-181M - **	180.0			60		8.00	2.50	260
MSMCC-221M - **	220.0			58		7.50	2.70	250
MSMCC-271M - **	270.0			60		7.00	3.00	240
MSMCC-331M - **	330.0			54		6.50	3.50	225
MSMCC-391M - **	390.0			67		6.20	4.00	200
MSMCC-471M - **	470			60		5.7	4.50	180
MSMCC-561M - **	560					4.7	5.50	174
MSMCC-681M - **	680					4.5	7.00	168
MSMCC-821M - **	820	57	4.2	7.50	152			
MSMCC-102M - **	1000	65	3.8	8.00	135			
MSMCC-122M - **	1200	45	2.3	12.00	115			
MSMCC-152M - **	1500	49	2.1	13.00	110			
MSMCC-182M - **	1800	47	1.9	14.00	105			
MSMCC-222M - **	2200	40	1.7	15.00	99			
MSMCC-272M - **	2700	47	1.5	25.00	83			
MSMCC-332M - **	3300	43	1.3	30.00	80			
MSMCC-392M - **	3900		1.2	35.00	67			
MSMCC-472M - **	4700		1.1	40.00	63			

FERRITE

**HACC**



**SPECIFICATIONS & STANDARD VALUES**

Ordering Code	Inductance L ( $\mu$ H)	fL (MHz)	Tol. %	Q min.	Testing Freq. (MHz)	SRF (MHz) min.	Dc-Res ( $\Omega$ ) max.	Rated DC Current (mA)
HACC-1R0K - **	1.0	1.0	$\pm 10$	50	7.96	195	0.08	2.00
HACC-1R2K - **	1.2					180	0.09	1.80
HACC-1R5K - **	1.5					165	0.10	1.70
HACC-1R8K - **	1.8					155	0.11	1.65
HACC-2R2K - **	2.2					140	0.12	1.60
HACC-2R7K - **	2.7					125	0.13	1.50
HACC-3R3K - **	3.3					115	0.14	1.45
HACC-3R9K - **	3.9					105	0.15	1.40
HACC-4R7K - **	4.7					60	0.17	1.30
HACC-5R6K - **	5.6					45	0.19	1.25
HACC-6R8K - **	6.8	0.02	$\pm 10$	40	2.52	35	0.22	1.20
HACC-8R2K - **	8.2					25	0.24	1.15
HACC-100K - **	10.0					21	0.25	1.10
HACC-120K - **	12.0					17	0.27	1.05
HACC-150K - **	15.0					16	0.30	1.00
HACC-180K - **	18.0					15	0.33	0.95
HACC-220K - **	22.0					13	0.37	0.90
HACC-270K - **	27.0					11	0.42	0.85

FERRITE

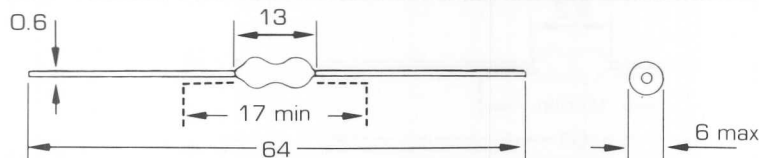
# CHOKE COILS

## HBCC SERIES



THE *Fasttron* ELECTRONICS GROUP

### HBCC

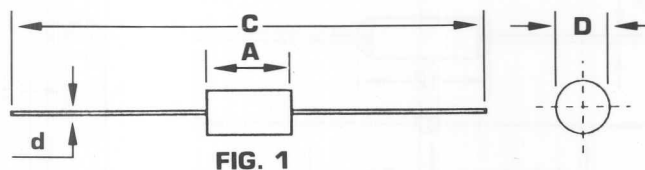


### SPECIFICATIONS & STANDARD VALUES

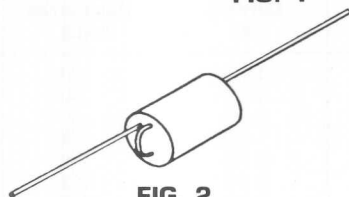
Ordering Code	Inductance L (μH)	fL (MHz)	Tol. %	Q min.	Testing Freq. (MHz)	SRF (MHz) min.	Dc-Res (Ω) max.	Rated DC Current (A)
HBCC-1R0K - **	1.0	0.02	±10	40	7.96	200	0.08	2.20
HBCC-1R2K - **	1.2					185	0.09	2.15
HBCC-1R5K - **	1.5					170	0.10	2.10
HBCC-1R8K - **	1.8					155	0.10	2.00
HBCC-2R2K - **	2.2					140	0.11	1.90
HBCC-2R7K - **	2.7					130	0.12	1.80
HBCC-3R3K - **	3.3					120	0.14	1.75
HBCC-3R9K - **	3.9					110	0.15	1.70
HBCC-4R7K - **	4.7					100	0.16	1.60
HBCC-5R6K - **	5.6					90	0.17	1.55
HBCC-6R9K - **	6.8		80	0.19	1.50			
HBCC-8R2K - **	8.2		70	0.20	1.45			
HBCC-100K - **	10.0		50	.252	60	0.22	1.40	
HBCC-120K - **	12.0				40	0.26	1.30	
HBCC-150K - **	15.0				20	0.30	1.25	
HBCC-180K - **	18.0				17	0.33	1.20	
HBCC-220K - **	22.0				12	0.35	1.10	
HBCC-270K - **	27.0				10	0.39	1.00	
HBCC-330K - **	33.0				8	0.43	0.90	
HBCC-390J - **	39.0				6.5	0.47	0.85	
HBCC-470J - **	47.0				5.0	0.50	0.80	
HBCC-560J - **	56.0				4.5	0.55	0.75	
HBCC-680J - **	68.0		4.0	0.60	0.70			
HBCC-820J - **	82.0		3.7	0.65	0.65			
HBCC-101J - **	100.0		50	0.796	3.5	0.70	0.60	
HBCC-121J - **	120.0				3.2	1.00	0.55	
HBCC-151J - **	150.0				3.0	1.20	0.50	
HBCC-181J - **	180.0				2.7	1.40	0.45	
HBCC-221J - **	220.0				2.4	1.60	0.40	
HBCC-271J - **	270.0				2.1	1.80	0.37	
HBCC-331J - **	330.0	1.9			2.00	0.33		
HBCC-391J - **	390.0	1.7			2.30	0.31		
HBCC-471J - **	470.0	1.50			2.5	0.28		
HBCC-561J - **	560.0	1.40			2.9	0.26		
HBCC-681J - **	680.0	1.30	3.2	0.24				
HBCC-821J - **	820.0	1.25	3.5	0.22				
HBCC-102J - **	1000.0	60	0.252	1.20	3.8	0.20		
HBCC-122J - **	1200.0			1.10	5.2	0.18		
HBCC-152J - **	1500.0			1.00	6.5	0.16		
HBCC-182J - **	1800.0			0.90	8.0	0.14		
HBCC-222J - **	2200.0			0.80	9.0	0.12		
HBCC-272J - **	2700.0			0.70	12.0	0.12		
HBCC-332J - **	3300.0			0.60	15.0	0.11		
HBCC-392J - **	3900.0			0.55	18.0	0.10		
HBCC-472J - **	4700.0			0.50	20.0	0.09		

Ferrite

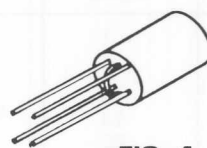
**06H**



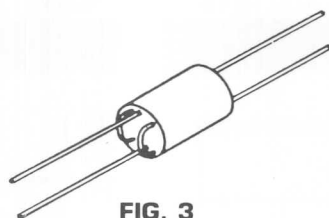
**FIG. 1**



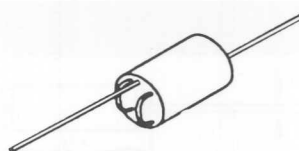
**FIG. 2**



**FIG. 4**



**FIG. 3**



**FIG. 5**

**SPECIFICATIONS & STANDARD VALUES**

Ordering Code	No. of Turns	Z ( $\Omega$ ) min.	f (MHz)	Dimension				Fig.
				A	C	D	d	
06H - 351	1.5	280	120	10	90	6	0.5	2
06H - 451	1.5	360	250					2
06H - 751	2.5	600	50					5
06H - 851	2.5	680	180					5
06H - 901	2 x 1.5	720	50					3
06H - 102	2 x 1.5	800	110	6	65	3.5	0.6	3
BEAD/4	-	90	100					1*
BEAD/5	2 x 1.0	500	100					4
BEAD/8	-	60.5	100					1*
BEAD/10	-	100	100					1*

\*FIG. 1: Available in axial taping.

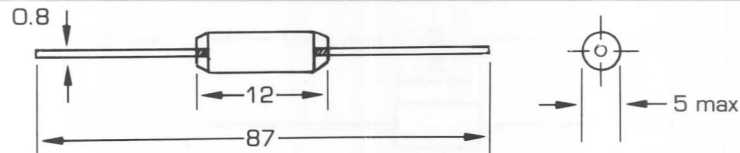
# RFI SUPPRESSION COILS

MISC, SMSC, MESC SERIES

**STETCO INC.**  
THE *Fastron* ELECTRONICS GROUP

## MISC

Option without insulating material protection (MISC/B...)



Approvals

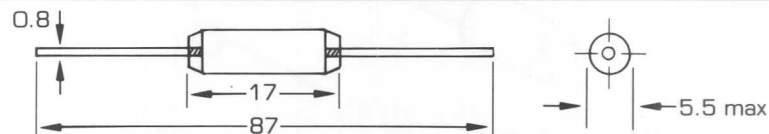


Ordering Code	Inductance L (μH)	Tol. %	Current (A)	Resistance (mΩ)	Test Freq. (MHz)
MISC-1ROM **	1	±20	4.00	15	1.00
MISC-2ROM **	2		3.00	45	
MISC-3ROM **	3		2.00	77	
MISC-6ROM **	6		1.50	190	
MISC-140M **	14		0.70	760	0.10
MISC-300M **	30		0.40	2700	
MISC-400M **	40		0.30	4100	
MISC-101M **	100		0.15	19000	

↑ Iron Oxide ↓

## SMSC

Option without insulating material protection (SMSC/B...)



Approvals

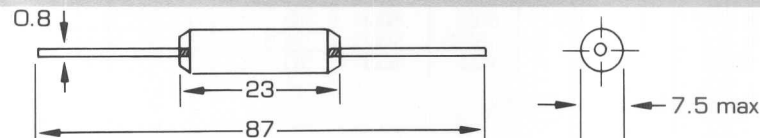


Ordering Code	Inductance L (μH)	Tol. %	Current (A)	Resistance (mΩ)	Test Freq. (MHz)
SMSC-1ROM **	1	±20	6.00	11	1.00
SMSC-2ROM **	2		4.00	20	
SMSC-3ROM **	3		3.00	38	
SMSC-6ROM **	6		2.00	120	
SMSC-100M **	10		1.50	230	0.10
SMSC-230M **	23		0.70	730	
SMSC-500M **	50		0.40	3000	
SMSC-700M **	70		0.35	4500	
SMSC-161M **	160		0.15	18000	

↑ Iron Oxide ↓

## MESC

Option without insulating material protection (MESC/B...)



Approvals

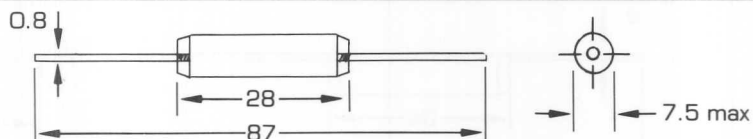


Ordering Code	Inductance L (μH)	Tol. %	Current (A)	Resistance (mΩ)	Test Freq. (MHz)
MESC-3ROM **	3	±20	6.00	18	1.00
MESC-5ROM **	5		4.00	34	
MESC-100M **	10		3.00	87	
MESC-150M **	15		2.00	165	
MESC-250M **	25		1.50	340	0.10
MESC-550M **	55		0.70	1300	
MESC-131M **	130		0.40	4800	
MESC-161M **	160		0.30	6600	
MESC-351M **	350		0.15	19000	
MESC-7ROM **	7		6.00	20	
MESC-120M **	12		4.00	40	
MESC-220M **	22		3.00	70	
MESC-400M **	40		2.00	180	
MESC-560M **	56		1.50	300	
MESC-101M **	100		1.00	650	
MESC-221M **	220		0.50	2600	
MESC-471M **	470		0.30	6500	Ferrite
MESC-681M **	680		0.20	14000	
MESC-122M **	1200		0.10	34000	
MESC-152M **	1500		0.08	54000	

↑ Iron Oxide ↓  
↑ Ferrite ↓

**LASC**

Option without insulating material protection (LASC/B...)



Ordering Code	Inductance L (μH)	Tol. %	Current (A)	Resistance (mΩ)	Test Freq. (MHz)
LASC-5ROM **	5	±20	6.00	23	1.00
LASC-6ROM **	6		5.00	30	
LASC-7ROM **	7		4.00	35	
LASC-120M **	12		3.00	83	
LASC-200M **	20		2.00	170	0.1
LASC-300M **	30		1.50	350	
LASC-600M **	60		0.70	770	
LASC-750M **	75		0.70	1300	
LASC-151M **	150		0.40	3500	
LASC-161M **	160		0.40	3800	
LASC-211M **	210		0.30	6400	
LASC-231M **	230		0.30	7200	
LASC-421M **	420		0.15	19000	
LASC-471M **	470		0.15	20000	

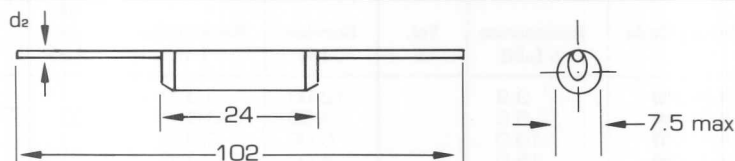
Approvals



Iron Oxide

**SSSC**

Option without insulating material protection (SSSC/B...)



Ordering Code	Inductance L (μH)	Tol. %	Current (A)	Resistance (mΩ)	Test Freq. (MHz)	d <sub>2</sub> (mm)
SSSC-4ROM **	4	±20	6	14	1.0	0.80
SSSC-6ROM **	6		4	17		0.75
SSSC-8ROM **	8		3	25	0.1	0.63
SSSC-170M **	17		2	63		0.43

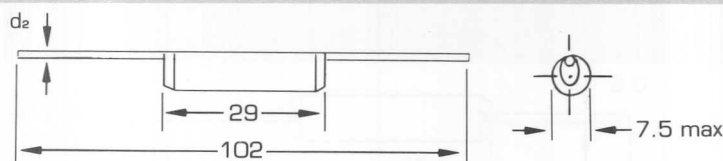
Approvals



Ferrite

**MSSC**

Option without insulating material protection (MSSC/B...)



Ordering Code	Inductance L (μH)	Tol. %	Current (A)	Resistance (mΩ)	Test Freq. (MHz)	d <sub>2</sub> (mm)
MSSC-3ROM **	3	±20	9	6	1.0	1.18
MSSC-6ROM **	6		6	10		0.95
MSSC-100M **	11		4	20	0.1	0.70
MSSC-130M **	13		3	24		0.67
MSSC-200M **	20		3	54		0.50

Approvals



Ferrite



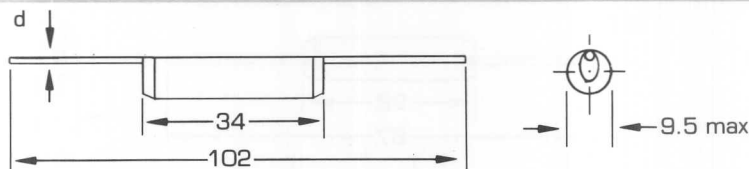
# RFI SUPPRESSION COILS

LSSC, 77A, 50A SERIES

**STETCO INC.**  
THE *Fastron* ELECTRONICS GROUP

## LSSC

Option without insulating material protection (LSSC/B...)



Approvals

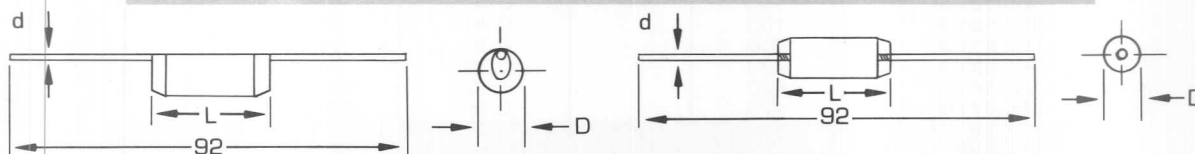


Ordering Code	Inductance L (μH)	Tol. %	Current (A)	Resistance (Ω)	Test Freq. (MHz)	d <sub>s</sub> (mm)
LSSC-5R0M **	5	±20	10	5	1.0	1.32
LSSC-9R0M **	9		6	12	0.1	0.95
LSSC-150M **	15		4	24		0.75
LSSC-250M **	125		3	46		0.63

Ferrite

## 77A

Option without insulating material protection (77A/B...)



Approval

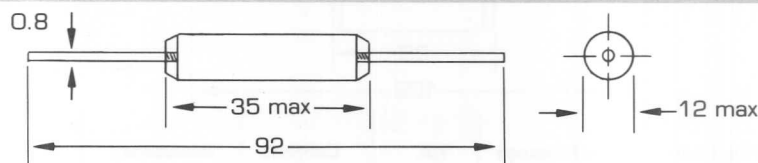


Ordering Code	Inductance L (μH)	Tol. %	Current (A)	Resistance (Ω)	Test Freq. (MHz)	Dimensions		
77A-3R9M	3.9	±20	12.00	0.009	1.00	8 X 30	1.0	
77A-5R6M	5.6		8.00	0.017		0.10	8 X 26	0.8
77A-100M	10.0		5.00	0.035				
77A-150M	15.0		4.00	0.050	10 X 26			
77A-330M	33.0		3.50	0.070			11 X 26	
77A-680M	68.0		3.00	0.100				
77A-101M	100.0		2.50	0.150				
77A-151M	150.0		1.80	0.300				
77A-331M	330.0		1.40	0.500				
77A-681M	680.0		1.00	1.000				
77A-102M	1000.0		0.80	1.500				
77A-152M	1500.0		0.70	2.000				
77A-332M	3300.0		0.50	4.000				
77A-682M	6800.0		0.35	8.000				
77A-103M	10000.0		0.30	12.000				

Ferrite

## 50A

Option without insulating material protection (50A/B...)

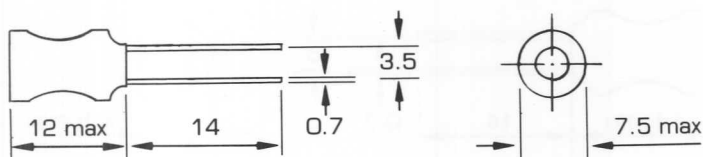


Approval



Ordering Code	Inductance L (μH)	Tol. %	Current (A)	Resistance (mΩ)	Test Freq. (MHz)
50A-121M	120	±20	2.0	0.2	0.10
50A-321M	330		1.0	0.7	
50A-821M	820		0.5	2.5	
50A-392M	3900		0.2	20.0	0.01
50A-832M	8300		0.1	65.0	

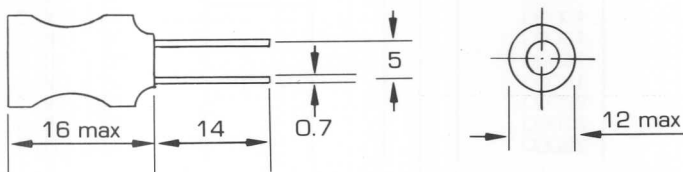
**07P**



**SPECIFICATIONS & STANDARD VALUES**

Ordering Code	Inductance L ( $\mu$ H) at 20 KHz	Tol. %	Q		SRF (MHz) min.	Dc-Res ( $\Omega$ ) max.	Rated DC Current (mA)
			min.	Freq. (MHz)			
07P-681K	680	$\pm 10$	80	0.796	2.30	3.7	170
07P-821K	820				2.10	4.1	160
07P-102J	1000	$\pm 5$	100	0.252	1.80	5.4	150
07P-122J	1200				1.60	5.8	140
07P-152J	1500				1.50	6.5	130
07P-182J	1800				1.40	7.5	120
07P-222J	2200				1.30	8.8	110
07P-272J	2700				1.20	9.8	100
07P-332J	3300				1.10	13.0	80
07P-392J	3900				1.00	16.5	75
07P-472J	4700				0.90	18.5	70
07P-562J	5600				0.80	21.0	60
07P-682J	6800				0.70	29.0	55
07P-822J	8200				0.65	33.0	50

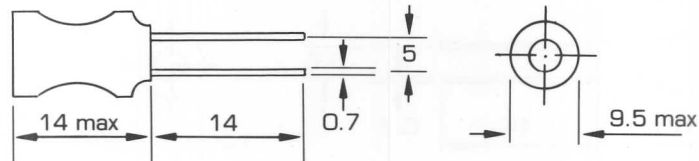
**11P**



**SPECIFICATIONS & STANDARD VALUES**

Ordering Code	Inductance L ( $\mu$ H) at 20 KHz	Tol. %	Q		SRF (MHz) min.	Dc-Res ( $\Omega$ ) max.	Rated DC Current (mA)
			min.	Freq. (MHz)			
11P-103J	10000	$\pm 5$	50	.079	0.35	23	110
11P-123J	12000				0.32	24	100
11P-153J	15000				0.29	28	90
11P-183J	18000				0.28	34	85
11P-223J	22000				0.25	39	80
11P-273J	27000				0.21	48	70
11P-333J	33000				0.20	56	65
11P-393J	39000				0.19	62	60
11P-473J	47000				0.18	73	55
11P-563J	56000				0.14	115	50
11P-683J	68000				0.13	120	50
11P-823J	82000				0.12	150	45
11P-104J	100000	$\pm 5$	50	.025	0.11	155	40
11P-154J	150000				0.08	205	35

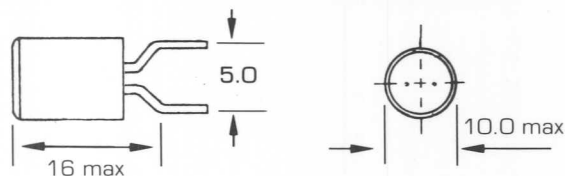
**09P**



**SPECIFICATIONS & STANDARD VALUES**

Ordering Code	Inductance L ( $\mu$ H) at 20 KHz	Tol. %	Q		SRF (MHz) min.	Dc-Res ( $\Omega$ ) max.	Rated DC Current (mA)
			min.	Freq. (MHz)			
09P-331K	330	10%	35	0.796	2.7	1.0	500
09P-391K	390				2.5	1.1	460
09P-471K	470				2.3	1.3	420
09P-561K	560				2.0	1.5	400
09P-681K	680				1.9	1.9	350
09P-821K	820				1.7	2.2	310
09P-102J	1000	$\pm 5$	70	0.252	1.6	2.6	280
09P-122J	1200				1.4	3.0	250
09P-152J	1500				1.2	5.1	220
09P-182J	1800				1.1	5.6	200
09P-222J	2200				1.0	7.0	180
09P-272J	2700				0.9	8.0	170
09P-332J	3300				0.8	9.0	150
09P-392J	3900				0.75	10.0	140
09P-472J	4700				0.65	11.5	130
09P-562J	5600			0.079	0.63	15.0	120
09P-682J	6800				0.57	17.0	110
09P-822J	8200				0.50	20.0	100
09P-103J	10000				0.41	35.0	90
09P-123J	12000				0.38	40.0	80
09P-153J	15000				0.35	45.0	70
09P-183J	18000				0.34	50.0	65
09P-223J	22000				0.30	58.0	60
09P-273J	27000				0.29	70.0	55
09P-333J	33000				0.26	75.0	50

**07M**



**SPECIFICATIONS & STANDARD VALUES**

Ordering Code	Inductance L ( $\mu$ H) at 20 KHz	Tol. %	Q		Dc-Res ( $\Omega$ ) max.	Rated DC Current (mA)
			min.	Freq. (MHz)		
07M-102K	1.0	$\pm 10$	70	0.796	3.4	90.0
07M-122K	1.2				3.7	75.0
07M-152K	1.5				4.0	70.0
07M-182K	1.8				4.5	65.0
07M-222K	2.2				5.2	60.0
07M-272K	2.7		100	0.252	5.8	55.0
07M-332K	3.3				6.1	50.0
07M-392K	3.9				7.2	45.0
07M-472K	4.7				7.5	40.0
07M-562K	5.6				8.4	40.0
07M-682K	6.8	$\pm 10$	100		9.7	35.0
07M-822K	8.2				10.4	30.0
07M-103K	10.0				12.1	25.0
07M-123K	12.0				13.0	25.0
07M-153K	15.0				15.0	25.0
07M-183K	18.0		100	0.079	17.0	22.0
07M-223K	22.0				19.5	21.0
07M-273K	27.0				22.0	18.0
07M-333K	33.0				26.0	17.0
07M-393K	39.0				45.0	15.0
07M-473K	47.0	$\pm 10$	100		52.0	13.0
07M-563K	56.0				58.0	12.0
07M-683K	68.0				66.0	12.0
07M-823K	82.0				71.0	10.0

Lead pitch available in 3.5 mm. or 5.0 mm.